

Appln. No.: 10/707,775
Docket No.: 140525/GEM-0093

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1-6. (Cancelled)

7. (Currently amended) A respiratory measurement system, comprising:

a plastic tube configured to be placed across a chest of the person, the plastic tube being substantially transparent to x-rays;

a plastic cord having a portion that is disposed through an interior of the plastic tube, the plastic cord being substantially transparent to x-rays;

a linear position sensor coupled to an end of the plastic cord, the end of the plastic cord being configured to be disposed away from the chest of the person, the linear position sensor generating a measurement signal indicative of an amount of linear displacement of the plastic cord during respiration by the person; and

~~The respiratory measurement system of claim 1 further comprising:~~

a tabletop having a securing device and a pulley coupled thereto, wherein a first portion of the plastic cord extends between the securing device and the pulley, the securing device and the pulley being positioned on the tabletop to allow the chest of the person to be disposed between the securing device and the pulley.

8. (Previously Presented) The respiratory measurement system of claim 7 wherein a second portion of the plastic cord extends from the pulley to the linear position sensor.

9-19. (Cancelled).

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20. (Currently amended) A medical diagnostic system, comprising:

a tabletop;

an X-ray device disposed proximate the tabletop;

a plastic cord that has a portion configured to be placed across a chest of a person lying on the tabletop, the plastic cord being substantially transparent to x-rays;

a linear position encoder operatively coupled to an end of the plastic cord generating a measurement signal indicative of an amount of displacement of the plastic cord during respiration by the person, the end of the plastic cord and the linear position encoder being configured to be disposed away from the chest of the person outside a scanning area of the X-ray device; and

~~The medical diagnostic system of claim 14 further comprising~~ a securing device and a pulley coupled to the tabletop, a first portion of the plastic cord extending between the securing device and the pulley, the securing device and the pulley being positioned on the tabletop to allow a chest of the person to be disposed between the securing device and the pulley.

21. (Previously Presented) A respiratory measurement system, comprising:

a plastic cord that is configured to be placed across a chest of a person, the plastic cord being substantially transparent to x-rays;

a sensor coupled to the plastic cord generating a measurement signal indicative of an amount of displacement of the plastic cord during respiration by the person; and

a tabletop having a securing device and a pulley coupled thereto, wherein a first portion of the plastic cord extends between the securing device and the pulley, the securing device and the pulley being positioned on the tabletop to allow the chest of the person to be disposed between the securing device and the pulley.

22. (Previously Presented) A medical diagnostic system, comprising:

a tabletop;

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an X-ray device disposed proximate the tabletop;

a plastic cord that is configured to be placed across a chest of a person lying on the tabletop, the plastic cord being substantially transparent to x-rays;

a sensor operatively coupled to the plastic cord generating a measurement signal indicative of an amount of displacement of the plastic cord during respiration by the person, the sensor being outside a scanning area of the X-ray device; and

a securing device and a pulley coupled to the tabletop, a first portion of the plastic cord extending between the securing device and the pulley, the securing device and the pulley being positioned on the tabletop to allow the chest of the person to be disposed between the securing device and the pulley.